

Patent  
Docket No. C 2752 PCT/US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re: Application of  
Ghoul, et al.

Serial No. Examiner:  
Filed: 06/03/2005 Art Unit:  
TITLE: ENZYMATIC PRODUCTION OF ACYL FLAVONOID  
DERIVATIVES

-----

**"Express Mail Post Office to Addressee" service Mailing Label Number  
EV530260325US.**

-----

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith is an Information Disclosure Statement ("IDS") in the above-referenced application, together with an IDC form listing all cited references.

This IDS is being mailed within three months of filing of the above captioned application, if it is a national application, or within three months of entering, as set forth in 37 C.F.R. §1.491, the national stage of the above captioned application, if the above captioned application is an international application. Therefore, consideration of the IDS by the Patent and Trademark Office, without the payment of any additional fee, is believed to be due under 37 C.F.R. § 1.97(b).

Case C 2752 PCT/US  
Filed: 06/03/2005

Some of the references are neither in English nor cited in any accompanying English language version of a search report by another patent office, and therefore require a concise explanation of relevancy, as it is currently understood by the applicant, pursuant to 37 C.F.R. § 1.98(a)(3). This required explanation of relevancy is given in the specification of the above captioned application for the following references:

| <u>Reference Identification</u> | <u>Described in Specification at:</u> |
|---------------------------------|---------------------------------------|
| JP 55157580                     | Page 2, Lines 14-16                   |
| JP 58131911                     | Page 2, Lines 14-16                   |

Respectfully submitted,

**MOHAMED GHOUL, et al.**

6/3/05

(Date)

Arthur G. Seifert  
ARTHUR G. SEIFERT  
(Reg. No. 28,040)  
Attorney for Applicant  
Telephone: (215) 628-1129  
Facsimile: (215) 628-1345

Cognis Corporation, Patent Dept.  
300 Brookside Avenue  
Ambler, PA 19002

AGS/ras

Enclosures: 1) International Search Report  
2) European Search Report  
3) IDC (w/References)

10/537627

JC09 Rec'd PCT/PTO 03 JUN 2009

| Form PTO-1449<br><br>INFORMATION DISCLOSURE CITATION   |                    |   | Docket No.<br>C 2752 PCT/US |                                       | Serial No.<br>To be assigned |          |                        |
|--|--------------------|---|-----------------------------|---------------------------------------|------------------------------|----------|------------------------|
|  |                    |   | Applicant:<br>Ghoul, et al. |                                       |                              |          |                        |
|  |                    |   | Filing Date:<br>06/03/2005  |                                       | Group:<br>To be assigned     |          |                        |
| <b>U.S. PATENT DOCUMENTS</b>   |                    |   |                             |                                       |                              |          |                        |
| Examiner Initials*   |                    | Document Number   | Date                        | Name                                  | Class                        | Subclass | Filing Date if Approp. |
| /SK/   |                    | 2003/0170186 A1   | 9/11/03                     | Geers et al. (Equiv. to WO 01/79245)  |                              |          |                        |
| /SK/   |                    | 6,235,294 B1  | 5/22/01                     | Perrier et al. (Equiv. to FR 2778663) |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
| <b>FOREIGN PATENT DOCUMENTS</b>  |                    |   |                             |                                       |                              |          |                        |
| Examiner Initials*   |                    | Document Number   | Date                        | Country                               | Class                        | Subclass | Translation Yes No     |
| /SK/   |                    | WO 01/79245 A1  | 10/25/01                    | PCT (Equiv. to US 2003/0170186)       |                              |          | Abstract               |
|  |                    | 0 618 203 A1  | 10/5/94                     | Europe                                |                              |          | English                |
|  |                    | 55-157580 A   | 12/8/80                     | Japan                                 |                              |          | Abstract               |
|  |                    | 58-131911 A   | 8/6/83                      | Japan                                 |                              |          | Abstract               |
|  |                    | 2 778 663 A1  | 11/19/99                    | France (Equiv. to US 6,235,294)       |                              |          | Abstract               |
| /SK/   |                    | WO 99/66062 A1  | 12/23/99                    | PCT                                   |                              |          | English                |
|  |                    |   |                             |                                       |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
| <b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Volume-Issue No., Publisher, City where published) |                    |   |                             |                                       |                              |          |                        |
| /SK/   |                    | KONTOGIANNI ATHINA ET AL: "REGIOSELECTIVE ACYLATION OF FLAVONOID CATALYZED BY LIPASE IN LOW TOXICITY MEDIA", EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, VOL. 103, NO. 10, OCTOBER 2001 (2001-10), PAGES 655-660, XP002278630             |                             |                                       |                              |          |                        |
| /SK/   |                    | DANIELI B ET AL: "CHEMO-ENZYMIC SYNTHESIS OF 6-O-(3-ARYLPROP-2-ENOYL) DERIVATIVES OF THE FLAVONOL GLUCOSIDE ISOQUERCITRIN" HELVETICA CHIMICA ACTA, VERLAG HELVETICA CHIMICA ACTA, BASEL, CH, VOL. 76, NO. 8, 1993, PAGES 2981-2991, XP002027015 |                             |                                       |                              |          |                        |
| /SK/   |                    | GAO C ET AL., "NOVEL ENZYMIC APPROACH TO THE SYNTHESIS OF FLAVONOID GLYCOSIDES AND THEIR ESTERS", BIOTECHNOLOGY AND BIOENGINEERING, VOL. 71, NO. 3, 2001, PAGES 235-243, XP-001010601   |                             |                                       |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
|  |                    |   |                             |                                       |                              |          |                        |
| Examiner   | /Sudhakar Katakam/ | Date Considered   | 05/12/2008                  |                                       |                              |          |                        |

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.